

FOURTIS **INNOVATION IS GREEN.**



**WORLD #1  
MANUFACTURER OF STEEL  
AND COMPOSITE LIGHT  
WEIGHT CYLINDERS**

# FOURTIS<sup>®</sup>

## THE RECYCLABLE TYPE IV CYLINDER

Amtrol-Alfa's Type IV cylinder sets out to become the high watermark of its class. Green at heart, the Fourtis is made from fully recyclable materials, but doesn't compromise its quality to save on end-of-life costs. Also built to last, the Fourtis is a thoroughly resistant product – and not just to impact, but also to corrosion and permeability. All this wrapped inside a customizable, easy to clean and finely designed jacket. The Fourtis is not just eco-friendly, it's eco-passionate.

### INNOVATION IS GREEN.

Fully recyclable materials >

Lightweight >

Low maintenance cost >

Corrosion free >

Easy to clean >

Color variety in customization >

CREATING  
VALUE  
THROUGH  
INNOVATION

## THE “FOUR ELEMENTS” TECHNOLOGY



### VECTORS OF FORTITUDE

**Polymeric Jacket** – Featuring finely crafted design, the UV resistant jacket is stackable with compatible cylinders and features ergonomic handles. It is also demountable, making the reassembling easy.

**Impact Resistance Design** – A differentiating concept, the innovative design helps to dissipate the energy from physical impacts on the top and the bottom of the cylinder.

**Composite Layer** – Between the liner and the cover rests the glass fiber with PP matrix composite structure (fully recyclable), increasing lightness, strength and resistance to impact.

**Polymeric liner** – This polymeric liner with integrated barrier film ensures high impermeability.

< Saves on decommissioning costs

< BLEVE free – Fire resistance test approved (EN14427:2004)

< Ergonomic and easy handling

< Demountable jacket

< Fully stackable with compatible cylinders

< Improves company branding

# CUSTOMIZATION

The FORTIS incorporates **In-Mould Labeling (IML)**. This technology consists in the insertion of printed labels in the mould where the plastic is injected. The result is outstanding integration into the cylinder jacket. The labels themselves are powerful marketing tools, available in a wide range of colors and supporting high-definition design. Different colors can be applied on the body and on the top.



**IN-MOULD LABELING (IML)**

**ENGRAVED COMPANY NAME**

**RFID/NFC** – These state of the art microchip technologies allow precise tracking, fast identification and real-time database assessment, improving consumer experience, and optimizing labor and filling costs. Connecting suppliers and end-users has never been this easy.

# LPG MODEL RANGES



HEIGHT mm	375	567	598
DIAMETER mm	306	306	306
WATER CAPACITY L	12,5	24,5	26,2
TARE WEIGHT kg	3,7	5,1	5,3
BUTANE kg	6	12	13
PROPANE kg	5	10	11

All dimensions are approximate

# APPROVALS

Striving for global acceptance, the Fourtis can be manufactured according to many construction standards, including:

- ISO 11119-3
- EN 14427
- EN 12245

**MILLIONS OF COMPOSITE CYLINDERS IN USE WORLDWIDE**

Find out more at:  
[fourtislpg.com](http://fourtislpg.com)



AMTROL-ALFA  
SAFETY AND  
INNOVATION  
WELDED  
TOGETHER.

Amtrol-Alfa forges a strong alliance between safety and innovation. Our position as Europe's largest manufacturer of gas cylinders is a result of 50 years of experience, and of a constant search for improved attributes and better performance on each and every product, everyday. A long list of patents and intensive research are just two of the reasons that make Amtrol-Alfa a true leader in this field.

**Innovation is the only thing we can't hold inside.**



Apartado 37, 4801-909  
Guimarães, Portugal  
T: +351 253 540 200 / F: +351 253 531 527  
sales@amtrol-alfa.com / www.amtrol-alfa.com